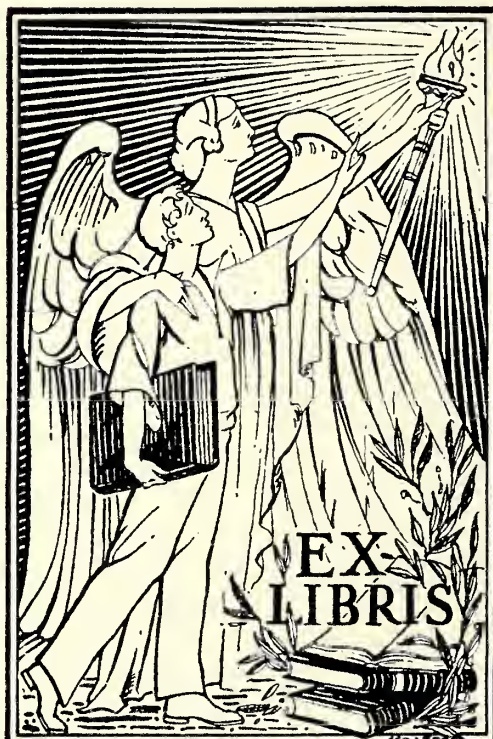


I SEE

HV1792



**M.C. MIGEL LIBRARY  
AMERICAN PRINTING  
HOUSE FOR THE BLIND**



Jan. 27, 1936  
 FROM NOW ON—  
 no more  
 "handouts"



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## SCIENCE

### "I See"

Last week the Society of Automotive Engineers, meeting in Detroit, installed as its new president able, burly Ralph Rowe Teetor, vice president and research director of Perfect Circle Co. (piston rings). This topflight engineer saw none of the charts which accompanied technical discussions. He is totally blind.

When inquisitive Ralph Teetor was 6, he tried to open a locked bookcase drawer with a penknife. The knife slipped. The blade jabbed into the corner of his right



Wide World

PERFECT CIRCLE'S TEETOR

... hates help.

eye. Loss of sight in both eyes followed.

The comfortable but not wealthy Teetors, to whom Ralph was born 45 years ago in small Hagerstown, Ind., soon saw that the boy's blindness was not going to hamper him any more than he could possibly help. Every day he ran to & from grade school where he got splendid marks. At the University of Pennsylvania he got his B. S. without difficulty. Because he was sensitive about his affliction and hated to accept help, he learned to do almost everything for himself.

When War broke, he asked for and got an appointment as consultant at a shipyard in Camden, N. J. For months he was given nothing to do. The other engineers were trying vainly to balance the turbine rotors for torpedo boat destroyers. Called in as a last resort, Teetor drew on his supersensitive "feel" for vibration, found a way to balance the rotors in three hours each.

After the War, Teetor went back to Hagerstown to rejoin the company founded by his uncle in 1900, in which young Ralph had balanced crankshafts after college. He married a small, trim schoolteacher named Nellie Van Antwerp. They now have a 5-year-old daughter.

The Teetor enterprise has changed its name several times and switched from railroad equipment to automobile engines to piston rings. It became the Perfect



## Ono in Kona

"Ono," not the shy refusal of a beautiful maiden, but the name of a twenty to forty pound fish caught off fabled Kona Coast, Island of Hawaii. This fish, so tender, so sweet, was called by the Hawaiians, "Ono," because that word stands for "delicious."

And now, not only in Kona but in all Hawaii, you'll hear the word "delicious!" applied to Dole Hawaiian Pineapple Juice. And on the Mainland more and more men and women are exclaiming "delicious!" when served this pure juice for breakfast—or at noon and night. For the original Hawaiian unsweetened pineapple juice in vacuum-sealed cans ask always for "DOLE."

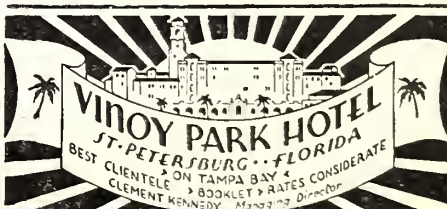
Hawaiian Pineapple Co., Ltd., Honolulu, Hawaii, U.S.A.—Sales Offices: San Francisco.



## Treat Colds This Way

Applicator packed with each tube sends V-E-M right up to the cold in your head. Gives quick relief. 29,732 doctors wrote us for V-E-M last winter. Your druggist has it.

**V-E-M GETS TO  
 YOUR COLD**





while in Australia the *Discovery II* abandoned its scientific studies, churned off with two planes toward Little America.

By this time, the *Wyatt Earp* was back in the ring, skirting the ice-fields, supposedly to lay down depots. Many followers of the tale were puzzled by the fact that it never did lay down depots, but headed for Little America despite the fact that the *Discovery II* could adequately handle the search from that end. Last week the *Wyatt Earp* was still 400 miles away when the *Discovery II* created the final climax by finding the two explorers, well-fed and chipper, installed in Admiral Byrd's abandoned radio shack. Brought on board, Ellsworth at last achieved the reader interest which until then he had never been so successful in obtaining as other Antarctic explorers. His story:

On the first day of the flight a defective switch and antennae lead throttled the radio. Soon after, bad weather forced a landing. Next day, still with the minor flaws in the radio unfixed, they took off again, were forced down almost at once for three days more. Again they took off, stayed in the air less than an hour, landed for seven days of blizzard. Finally, on Dec. 5, only 25 miles from Little America, fuel gave out. Landing safely on the smooth barrier, the flyers spent four days by the plane, finally trekked to Little America, where there was plenty of food. There was also a great deal of gasoline, which in the long wait might have been portaged to the empty plane and its radio. Instead, the men spent the time "correlating data."

If every detail of drama and suspense in the 2,100-mi. Ellsworth flight had been carefully plotted out in advance, the results could not have been more successful from the publicity angle.

### Airlines Associated

Because the Aeronautical Chamber of Commerce is dominated by manufacturers, all the scheduled airlines in the U. S. last week withdrew from it, formed a new body called the Air Transport Association of America. Its purpose: Co-ordination of schedules, credit, advertising, buying power, engineering data. Its president: Colonel Edgar Staley Gorrell.

A baldish, hard-driving man of 44, Colonel Gorrell was graduated from West Point and Massachusetts Institute of Technology, went to chase Pancho Villa in Mexico as adjutant of the 1st Aero Squadron. In the War he fought on all five fronts, became Chief of Staff of the A. E. F. air service, one of the youngest men in U. S. Army history to win a colonelcy. Awarded many a medal, he served at the Peace Conference, quit the Army in 1920 to work for Nordyke & Marmon Co. Joining Stutz Motor Car Co. in 1925, he became president in 1929, resigned last August.

Getting ready to move his wife & child to his new headquarters in Chicago. President Gorrell last week explained his job: "We want to eliminate competition between airlines . . . to cut expense . . . to progress. As an example, we want to build a new ship to carry 40 passengers that will completely outclass all present ships. That project would take half a million dollars. If we can get together on it, we can do it much more cheaply."

# Do This to Ease Sore Throat Instantly

Relieve Soreness in 3 Minutes This Easy Way



**1.** The moment you feel a throat irritation, crush and stir 3 BAYER ASPIRIN Tablets in  $\frac{1}{2}$  glass of water. Gargle twice. Do not rinse mouth.

**2.** If you have a cold, take 2 BAYER ASPIRIN Tablets and drink a full glass of water. Repeat if necessary, according to directions in package.



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Crush and dissolve three Bayer Aspirin Tablets in  $\frac{1}{2}$  glass of water for use as a gargle.

Gargle your throat *twice* with this medicated mixture, holding the head well back to allow its going deep into the throat.

That's all! Relief will come almost instantly. For the Bayer Aspirin will act like a local anesthetic to ease throat pains. And, at the same time, will soothe and quiet irritation.

People by the tens of thousands are combating sore throat this way. Doctors endorse it. And scientists acclaim it as perhaps the most effective gargle yet discovered — *for it provides a medication, and it takes medicine to combat a sore throat.*

If you have a cold with your sore throat — take two Bayer Aspirin tablets with a full glass of water at the same time you gargle.

When you buy, though, be sure to get real BAYER ASPIRIN TABLETS. They dissolve fast and work fast; bringing quick relief.

### Why BAYER Aspirin Works So Fast

Drop a Bayer Aspirin tablet into a glass of water.

By the time it hits the bottom of the glass it is disintegrating.



### IN 2 SECONDS BY STOP WATCH

A Genuine Bayer Aspirin tablet starts to disintegrate and go to work.

What happens in these glasses happens in your stomach — Genuine BAYER Aspirin tablets start "taking hold" of pain a few minutes after taking.

NOW REDUCED TO **15¢**





Circle Co. in 1918, is now the biggest U. S. maker of piston rings (capitalization \$1,625,000), turning out 300,000 "perfect circles" a day. It has more Teetors than Sun Oil has Pews. Hagerstown has less than 2,000 inhabitants, but a third of them work for Perfect Circle and the town has no unemployment. Perfect Circle mail grew so heavy that little Hagerstown got an \$80,000 post office.

Ralph Teetor frequently walks through the plant, never bumping a machine or a workman or missing a door. So thoroughly aware is he of what goes on around him that he frequently says, "I see that that machine has been replaced." or, "I see that this lathe needs attention." Most of the automotive engineers who shook hands with him in Detroit last week had an uncanny feeling that their new president really could see them.

## Disappearance

Slick-haired young Dr. Aristid von Grosse, research chemist of Chicago's Universal Oil Products Co., created a stir at a chemistry convention summer before last by exhibiting a speck, weighing one-tenth of a gram, of pure protoactinium which he had isolated. It was the first of the 92 elements to be isolated in the U. S. and this crumb constituted the world supply. Last week Dr. von Grosse created another stir by revealing that the world supply of protoactinium had unfortunately disappeared.

Heavier than any other element except uranium, protoactinium is radioactive. It is 25% rarer than radium in pitchblende. One ton of that mother ore was reduced to extract a half gram of protoactinium oxide. In a phosgene chlorinating bath this was transposed to a chloride. Using the method evolved by General Electric's famed Irving Langmuir, Dr. von Grosse spread the chloride on a tungsten filament in a vacuum, heated the filament, boiled off the chlorine, obtained his bit of pure protoactinium.

Interested in the possible value of the element for cancer therapy, Chemist von Grosse took a photomicrograph of his precious mite by the light of its own rays. The pictures showed something like a glowing shoe-button. Then he turned the stuff over to Chicago's Museum of Science & Industry to be placed on exhibition. The museum furnished visitors with a magnifying glass by which to inspect the speck, too small to be seen with the naked eye.

Last month Dr. von Grosse asked to have the world supply of protoactinium back for a while so that he could make more photographs. He took it into a dark-room illuminated only by the red glow of a photographic lantern, arranged his microscope and camera. In shaping the tungsten thread to which the protoactinium clung, he was a little too rough. The delicate element crumbled to invisible dust.

Dismayed but not losing his presence of mind, Dr. von Grosse laboriously located the crumbs by microscopic search, popped them into a tube of hydrofluoric acid where they disappeared beyond even microscopic view. From the acid, Dr. von Grosse said last week, he hopes eventually to extract the protoactinium in a single lump which may once more be seen under a magnifying glass.



## LET THEM TAKE THEIR PICK, THESE CANAPÉS CLICK!

Here's an old favorite—and a brand new one. Serve them both and you won't need another thing on your canapé tray. Underwood Deviled Ham and Underwood Tiny Frankfurts go equally well with cocktails or for Sunday supper.

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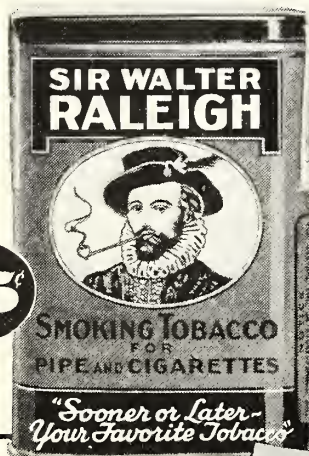
## ALL HANDS PASSED



# OUT!

A FEW puffs dealt from that soggy pipe and rubber-tree tobacco ended the bidding. But a pipe cleaner and a tin of kind and sociable tobacco would put the game back on a friendly basis. No—we don't make pipes; but, folks, we do believe we offer the best-smelling blend of fragrant Kentucky Burleys ever laid before the noses of pipe lovers and their companions. Cooler and slower-burning, a 15¢ tin of Sir Walter Raleigh Tobacco lasts a pleasantly-long time. We think it's so darned superior we even wrap it in heavy gold foil for extra freshness. Better try it.

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How to  
TAKE CARE of  
your PIPE

## M U S I C

### Swedish Carmen

When Manager Edward Johnson announced his plans for the current Metropolitan opera season a promised high spot was to be the revival of *Carmen* with Rosa Ponselle. Soprano Ponselle had her



Wide World

GERTRUD WETTERGREN

*She lost her heel but not her head.*

chance (TIME, Jan. 6). Last week an audience was agog over another Carmen who sang in Swedish while the rest of the cast sang in French, who lost the heel of one slipper, casually attempted to mend it, finally hurled it into the wings and hopped with one shoe on & one shoe off for the remainder of the act.

The new Carmen was Gertrud Wettergren, who arrived in Manhattan with no thought of singing the role for which she is best known in Europe. But Ponselle had a cold before her first performance and Wettergren was called in for rehearsal, proved that, if need be, she could save the situation even in Swedish. Her Carmen was a creature of electric vitality. She knew her music well, gave it the subtlest inflections. Most singers would have been upset over the loss of a shoe. Wettergren never missed a line, treated the incident as if it belonged to the part.

Well-mannered critics refrained from comparisons in their reviews. But the Metropolitan lobby was a hotbed of discussion as to which of the two new Carmens had done the better job. Wettergren, like Ponselle, indulged in occasional exaggerated horseplay, tweaked various noses, poked choristers in the ribs. But she was never so flagrantly vulgar as the Connecticut Carmen. Ponselle's voice is much richer, but the Swedish soprano used hers with more taste and intelligence, gave the part more variety.

### Whistlist

An earnest bespectacled young man bowed formally to a Philadelphia audience last week, glanced at his program, nodded to his accompanist, pursed up his lips and

proceeded to whistle. The Philadelphians had been fairly warned. Andrew Garth was serious about his whistling. Oldtime vaudevillians could make a living imitating canaries or mocking mocking birds. Andrew Garth was appearing as a concert artist, ambitious enough to undertake the Mad Scene from *Lucia*, a Schubert sonatina, the first-act love music from Wagner's *Die Walküre* in which he took turns at being the orchestra, Sieglinde, the soprano, and Siegmund, the heroic tenor.

Whistler Garth, who is really Edward B. Dolbey Jr., was not to be discouraged by critics who next day questioned the artistic value of the human whistle. He had felt really frustrated at the age of 12, when his boyish soprano voice broke and his only musical outlet was whistling. He learned then to produce his tones breathing in or out, to hold a long-sustained legato, trill like a coloratura. After his graduation from Bucknell University (Class of 1928) he began his double life: Five days a week he is Edward B. Dolbey, working in his father's chemical shop. Saturdays and Sundays he is Andrew Garth, the whistler, who lists himself as such in the Philadelphia telephone directory, keeps his own studio, entertains friends who listen to his ambitions to found a whistling orchestra, produce his own opera already part written. In it the hero is a whistler.

For his public demonstrations Whistler Garth trains rigorously. He drinks only lukewarm water because anything colder will tighten the membranes of his mouth. He avoids drafts as scrupulously as if he



ANDREW GARTH

*Monday to Friday he is Edward B. Dolbey.*

were a sensitive high-priced singer, never brushes his teeth before whistling because, as he explains, the natural film-coating provides a necessary lubricant. A dentist tends his teeth each month or so, however, because "I couldn't whistle with false teeth, at least not a solo." Says he: "I never have known what to style myself. Perhaps I am a whistlist."



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c. 2

T

Teetor.

I SEE.

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